

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

- 1-17. **(Cancelled)**
18. **(Currently Amended)** A method for lining concrete structures comprising:
- (a) preparing a surface of a concrete structure for application of a foam liner material;
 - (b) applying a foam liner material to said surface of said concrete structure; and
 - (c) curing said foam liner material to form ~~at least~~ two distinct layers, namely a surface layer and a barrier layer on said concrete structure.
19. **(Previously Presented)** The method of claim 18, wherein the foam liner material comprises a polyurea foam.
20. **(Previously Presented)** The method of claim 18, wherein the foam liner material comprises a polyurethane foam.
21. **(Previously Presented)** The method of claim 18, wherein step (a) further includes the steps of:
- (a) pressure washing the surface of the concrete structure; and
 - (b) heat drying the surface of the concrete structure.
22. **(Previously Presented)** The method of claim 18, wherein said foam liner is applied directly to said surface of said concrete structure.
23. **(Currently Amended)** A method for lining concrete structures comprising:
- (a) preparing a surface of a concrete structure for receipt of a foam material;
 - (b) applying a foam material directly to said surface of said concrete structure; and
 - (c) curing said foam material, the curing of which results in the formation of a protective liner over said concrete structure, said protective liner having ~~at least two~~ three distinct layers.
24. **(Cancelled)**
25. **(Cancelled)**

26. **(Previously Presented)** The method of claim 23, wherein the step of curing results in a protective liner comprised of an inner hard shell, an outer bonding layer and an insulative core between said hard shell and bonding layer.
27. **(Currently Amended)** The method of claim 23 24, wherein one of said layers provides rigidity and structural integrity to the liner.
28. **(Currently Amended)** The method of claim 23 24, wherein one of said layers is cellular in structure.
29. **(Currently Amended)** The method of claim 23 24, wherein one of said layers traps air within its structure to provide an insulating effect by said layer.
30. **(Currently Amended)** The method of claim 23 24, wherein one of said layers is a bonding layer that bonds the other layer to the surface of the concrete structure.
31. **(Previously Presented)** The method of claim 30, wherein said bonding layer seals the surface of the concrete structure.
32. **(Currently Amended)** The method of claim 23 25, wherein
- (a) one of said layers provides rigidity and structural integrity to the liner;
 - (b) another of said layers is cellular in structure and traps air within a portion of said cells to provide an insulating effect by said layer; and
 - (c) another of said layers is a bonding layer that bonds the other layers to the surface of the concrete structure.
- 33-36. **(Cancelled)**
37. **(Currently Amended)** The method of claim 23 24, wherein
- (a) ~~said first layer~~ one of said layers is a closed-cell foam and
 - (b) ~~said second layer~~ another of said layers is a hard, watertight skin.

38. **(Currently Amended)** The method of claim 23 ~~24~~, wherein said protective liner comprises:
- (a) a first layer formed of a closed-cell foam and
 - (b) a second layer formed of a hard, watertight shell.
39. **(Previously Presented)** The method of claim 38, wherein said first layer is disposed adjacent said surface between said surface and said hard, watertight shell.
40. **(Previously Presented)** The method of claim 18, wherein said foam liner material comprises an epoxy.
41. **(Previously Presented)** The method of claim 18, wherein said step of preparing comprises cleaning said surface.
42. **(Previously Presented)** The method of claim 23, wherein said step of preparing comprises cleaning said surface.